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**Department of Energy**  
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Richland, Washington 99352

**MAR 31 2006**

06-AMCP-0180

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Air Emissions and Defense Waste Section  
Washington State Department of Health  
P.O. Box 47827  
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Mr. D. Zhen  
Radiation and Indoor Air Section  
U.S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue  
Seattle, Washington 98101

**RECEIVED**  
APR 06 2006  
**EDMC**

Mr. O. S. Wang  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Addressees:

TRANSMITTAL OF DOE/RL-2003-43, REVISION 1, RADIOACTIVE AIR EMISSIONS  
NOTICE OF CONSTRUCTION (NOC) FOR TRANSITION OF THE PLUTONIUM  
FINISHING PLANT (PFP), 200 WEST AREA, HANFORD SITE, RICHLAND,  
WASHINGTON

The purpose of this letter is to submit the subject NOC application (Enclosure 1). This NOC application is submitted to the U.S. Environmental Protection Agency (EPA), Region 10, and the Washington State Department of Health, Division of Radiation Protection for approval pursuant to Title 40, Code of Federal Regulations (CFR), Part 61.07 and Washington Administrative Code 246-247-060, respectively. Pending EPA approval, this application will also provide initial start-up notification pursuant to 40 CFR 61.09 (a)(1).

Enclosure 2 is a Notification of Off-Permit Change to incorporate the revised NOC for potential radioactive air emissions from activities into the Hanford Site Air Operating Permit (AOP). This information is being provided to the State of Washington Department of Ecology consistent with the role as lead for the Hanford Site AOP.

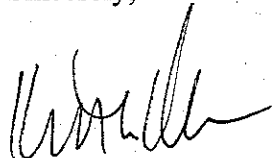
Addressees  
06-AMCP-0180

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MAR 31 2006

If you have any questions, please contact me, or you may contact Matt McCormick, Assistant Manager for the Central Plateau, on (509) 373-9971.

Sincerely,



Keith A. Klein  
Manager

AMCP:WCW

Enclosures:

- 1) NOC application
- 2) Notification of Off-Permit Change

cc w/encls:

G. Bohnie, NPT

S. Harris, CTUIR

R. Jim, YN

J. W. Schmidt, WDOH

Administrative Record (File: NOC ID #608)

Environmental Portal

cc w/o encls:

J. A. Bates, FHI

R. W. Bloom, FHI

R. H. Engelmann, DFSH

L. L. Fritz, FHI

M. T. Jansky, FHI

R. W. Oldham, FHI

K. A. Peterson, FHI

ENCLOSURE 1

RADIOACTIVE AIR EMISSIONS NOTICE OF CONSTRUCTION, DOE/RL-2003-43,  
REVISION 1, RADIOACTIVE AIR EMISSIONS NOTICE OF CONSTRUCTION FOR  
TRANSITION OF THE PLUTONIUM FINISHING PLANT (PFP), 200 WEST AREA,  
HANFORD SITE, RICHLAND, WASHINGTON

ENCLOSURE 2

NOTICE OF OFF-PERMIT CHANGE FOR THE HANFORD SITE AIR OPERATING  
PERMIT (NUMBER 00-05-006) FOR RADIOACTIVE AIR EMISSIONS NOTICE OF  
CONSTRUCTION, DOE/RL-2003-43, REVISION 1, TRANSITION OF THE PLUTONIUM  
FINISHING PLANT (PFP), 200 WEST AREA, HANFORD SITE, RICHLAND,  
WASHINGTON

# HANFORD SITE AIR OPERATING PERMIT

## Notification of Off-Permit Change

**Permit Number: 00-05-006**

This notification is provided to Washington State Department of Ecology, Washington State Department of Health, and the U.S. Environmental Protection Agency as notice of an off-permit change described as follows.

This change is allowed pursuant to WAC 173-401-724(1) as:

1. Change is not specifically addressed or prohibited by the permit terms and conditions
2. Change does not weaken the enforceability of the existing permit conditions
3. Change is not a Title I modification or a change subject to the acid rain requirements under Title IV of the FCAA
4. Change meets all applicable requirements and does not violate an existing permit term or condition
5. Change has complied with applicable preconstruction review requirements established pursuant to RCW 70.94.152.

Provide the following information pursuant to WAC-173-401-724(3):

### **Description of the change:**

A Radioactive Air Emissions Notice of Construction (NOC), *Radioactive Air Emissions Notice of Construction for Transition of the Plutonium Finishing Plant (PFP), 200 West Area, Hanford Site, Richland, Washington* (DOE/RL-2003-43, Revision 1), is being submitted to the Washington State Department of Health (WDOH) and the U.S. Environmental Protection Agency, Region 10 (EPA), for approval. A change in the Hanford Site Air Operating Permit is required to indicate this source of air emissions.

### **Date of Change:**

Effective date will be the later date of approval by WDOH and EPA of the NOC.

### **Describe the emissions resulting from the change:**

Radioactive air emissions with the total estimated unabated total effective dose equivalent to the hypothetical maximum exposed individual is 8.9 E+02 millirem per year. The abated total effective dose equivalent to the hypothetical maximum exposed individual is 2.4 E-02 millirem per year.

### **Describe the new applicable requirements that will apply as a result of the change:**

Applicable requirements will be identified in approval notifications by WDOH and EPA. This revision reflects current operations at PFP where many activities have been transitioned to regulation under the *Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980*, as well as inclusion of activities supporting the Security Enhancement Program.

### **For Hanford Use Only:**

AOP Change Control Number:

Date Submitted: